

Process Safety Management Audit Checklist		
Process Safety Information		
	Y/N	Comments
Documentation		
Has written process safety information been compiled before conducting any process hazard analysis (PHA)?		
<p>Is information included pertaining to the hazards of the highly hazardous chemicals used or produced by the process, and does the information include at least:</p> <ul style="list-style-type: none"> • toxicity information? • permissible exposure limits? • physical data? • reactivity data? • corrosivity data? • thermal and chemical stability data? • hazardous effects of inadvertent mixing of different materials that could foreseeably occur? <p>NOTE: SDSs meeting the requirements of 29 CFR 1910.1200(g) may be used to the extent they contain the information required.</p>		
<p>Is information included concerning the technology of the process, and does it include at least:</p> <ul style="list-style-type: none"> • a block flow diagram or simplified process flow diagram? • process chemistry? • maximum intended inventory? • safe upper and lower limits? 		

<ul style="list-style-type: none"> • an evaluation of the consequences of deviations? <p>(Where the original technical information no longer exists, it may be developed in conjunction with the PHA.)</p>		
<p>Is information included pertaining to equipment in the process, and does it include at least:</p> <ul style="list-style-type: none"> • materials of construction? • piping and instrument diagrams? • electrical classification? • relief system design and design basis? • ventilation system design? • design codes and standards employed? • material and energy balances for processes built after May 26, 1992? • safety systems (e.g. interlocks, detection or suppressions systems)? 		
<p>Has it been documented that equipment complies with recognized, generally accepted good engineering practices? (Review the documentation for evidence that compliance with the appropriate consensus standards has been researched.)</p>		
<p>Has it been determined and documented that existing equipment designed and constructed in accordance with codes, standards, or practices no longer in general use are designed, maintained, inspected, tested, and operating in a safe manner? (Documentation may be through methods such as: documenting successful prior operation procedures; documenting that the equipment is consistent with the appropriate editions of codes and standards; or performing an engineering analysis to determine that the equipment is appropriate for its intended use.)</p>		
<p>Observations</p>		

Do observations of a representative sample of process chemicals and equipment indicate that the process information is complete? (Information that does not correspond to the actual conditions demonstrates incomplete information. Check critical equipment and components to see if they have been properly identified.)		
Do observations of a representative sample of process components indicate that the process complies with recognized and generally accepted good engineering practice? (Review a representative number of safety devices such as pressure relief devices for proper sizing according to the maximum anticipated pressure.)		
Do observations of a representative sample of the existing equipment designed and constructed according to codes, standards, or practices no longer in general use indicate that this equipment is inspected and is operated in a safe manner (as documented by the company)?		
Interviews		
Process Hazard Analysis (PHA) Team: Based on interviews with a representative number of PHA team members, was the process safety information complete before the process hazard analysis was conducted?		
Operators: Based on interviews with a representative number of operators, is SDS information readily available to the operators who work with hazardous materials?		

<p>Engineers: Based on interviews with a representative number of engineers, has the company documented that the process equipment complies with recognized and generally accepted good engineering practice? (Ask about the technical basis for design and selection of equipment, the materials of construction, electrical classifications, relief devices sizing versus maximum anticipated pressures, installation procedures to assure equipment meets design specifications, etc.)</p>		
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--